

Part-3: Refine monitoring

$\mathbf{Q} = \{\text{monidle}, \text{lockdown}, \text{regulate_environnement}\}$

$\mathbf{q_0} : \text{monidle}$

$\mathbf{\Sigma 1} = \{\text{no_contagion}, \text{after_100ms}, \text{contagion_alert}, \text{purge_succ}\}$

$\mathbf{\Sigma 2} = \{\text{broadcast_FACILITY_CRIT_MSG}\}$

$\mathbf{V} = \{\text{inlockdown} : \text{Boolean} = \text{false}\}$

$\mathbf{\Lambda} = \{$

$\rightarrow \text{monidle}$

$\text{monidle} \xrightarrow{\text{no_contagion}} \text{regulate_environment}$

$\text{monidle} \xrightarrow{\text{contagion_alert} / \text{broadcast_FACILITY_CRIT_MSG}, \text{inlockdown} = \text{true}} \text{lockdown}$

$\text{regulate_environment} \xrightarrow{\text{after_100ms}} \text{monidle}$

$\text{lockdown} \xrightarrow{\text{purge_succ} / \text{inlockdown} = \text{false}} \text{monidle}$

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